CLAIMS

1. A recombinant protein selected from the group consisting of:

(a) a protein comprising the amino acid sequence represented by SEQ ID NO: 3; and,

(b) a protein comprising an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 3 by deletion, substitution, insertion, or addition of at least one amino acid and having the activity of endo-β-N-acetylglucosaminidase.

2. An endo-β-N-acetylglucosaminidase gene encoding:

(a) a protein having the amino acid sequence represented by SEQ ID NO: 3; or,

(b) a protein having an amino acid sequence represented by SEQ ID NO: 3 by deletion, substitution, insertion, or addition of at least one amino acid and having the activity of endo-β-N-acetylglucosaminidase.

3. A gene comprising the following DNA:

(c) a DNA consisting of a nucleotide sequence represented by SEQ ID NO: 2; or,

(d) a DNA which hybridizes under stringent conditions with a DNA consisting of a nucleotide sequence represented by SEQ ID NO: 2, and which encodes a protein having endo-β-N-acetylglucosaminidase activity.

4. A gene which hybridizes under stringent conditions with the gene according to claim 2, and which comprises DNA encoding a protein having endo-β-N-acetylglucosaminidase activity.

5. The gene according to ~~any one of claims 2 to 4~~ claim 2, wherein the gene is derived from a microorganism belonging to the genus *Mucor*.

6. The gene according to claim 5, wherein the microorganism belonging to the genus *Mucor* is *Mucor hiemalis*.

7. A recombinant vector which comprises the gene according to ~~any one of claims 2 to 6.~~ claim 2

8. A transformant which comprises the recombinant vector of claim 7.

9. A method of producing endo-β-N-acetylglucosaminidase comprising culturing the transformant according to claim 8 and collecting endo-β-N-acetylglucosaminidase from

the culture product.

add A1